

IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1-16. (Cancelled).

17. (New) A transmission and/or reception device for mounting on a wheel of a vehicle, the device comprising:

a tire information device configured to provide information relating to a tire;

a transmitter/receiver electrically connected to the tire information device;

an antenna electrically connected to the transmitter/receiver for transmitting and/or receiving radio frequency signals; and

a housing configured to house the tire information device and the transmitter/receiver,

wherein the antenna is formed by a cable wound around an outside face of the housing.

18. (New) A device according to claim 17, wherein the outside face of the housing is shaped to protect the antenna.

19. (New) A device according to claim 17, wherein the housing is shaped to be positioned on the wheel in such a manner that the wound cable forms a solenoid that is oriented along an ortho-radial axis of the wheel.

20. (New) A device according to claim 17, wherein the outside face of the housing includes grooves configured to receive the cable.

21. (New) A device according to claim 20, wherein at least one of the grooves is shaped to receive the cable fully, in such a manner that the cable is protected by the ridges between the grooves against possible contact.

22. (New) A device according to claim 20, wherein the grooves are formed by spaces between ribs formed on the outside face of the housing.

23. (New) A device according to claim 17, including an outer protective film covering the antenna formed on the outside face of the housing.

24. (New) A device according to claim 23, wherein the film comprises a heat-shrink plastic material.

25. (New) A device according to claim 24, wherein the film comprises at least one of polyethylene and polytetrafluoroethylene (PTFE).

26. (New) A device according to claim 23, wherein the film comprises at least one of polypropylene, polyphenylene sulphide (PPS), and polyamide

27. (New) A device according to claim 17, wherein an outside protecting layer is molded onto the antenna formed on the outside face of the housing.

28. (New) A device according to claim 27, wherein the molded outside protective layer comprises the same material as the housing.

29. (New) A device according to claim 27, wherein the molded outside protective layer is obtained by injection molding a thermosetting material

30. (New) A device according to claim 29, wherein the thermosetting material comprises at least one of epoxy resin, phenolic resin, polycarbonate, polyurethane, polyamide, vinyl ester, and polyester.

31. (New) A device according to claim 27, wherein the molded outside protective layer comprises polyphthalamide (PPA).

32. (New) A device according to claim 17, wherein the tire information device comprises a pressure sensor for measuring the pressure inside a tire mounted on the wheel.

33. (New) A housing for a transmission and/or reception device configured to be mounted to a vehicle wheel, the transmission and/or reception device including an antenna, the housing comprising:

an interior portion for housing the transmission and/or reception device; and

an outside face shaped to support a cable forming the antenna,

wherein the outside face is shaped to support a cable wrapped around the housing in a solenoidal arrangement.

34. (New) A housing according to claim 33, shaped to be positioned on the wheel in such a manner that the wound cable forms a solenoid oriented along an ortho-radial axis of the wheel.

35. (New) A housing according to claim 33, wherein the outside face of the housing comprises grooves suitable for receiving the cable.

36. (New) A housing according to claim 35, wherein at least one of the grooves is shaped to receive the cable fully, in such a manner that the cable is protected by the ridges between the grooves against possible contact.

37. (New) A device according to claim 36, wherein the grooves are formed by spaces between ribs formed on the outside face of the housing.